Amendments to the Specification:

Paragraph [0037]:

[0037] What has been described thus far is just the normal operation of the XDMCP and X protocols. One focus of this invention is the operation of the browser isolator module [[120]] 130, which scrutinizes the network communications between the protected computer 110 and the browser module 140. The selected protocols of the X-Windows system have the attribute that that they do not transfer data between computers other than that necessary for the user interface. The user interface data is temporary in that it is transferred across the network and used to generate the interface shown to the user, but is not stored permanently. This is unlike the Internet File Transfer Protocol (FTP), which copies the contents of files from one computer to another and permanently stores the copies on the receiving computer. By restricting communication with the protected computer 110 to these two X-Windows protocols, the browser isolator module [[120]] 130 prevents the transfer of permanent data between one or more of the protected computers 110 and the browser module 140, and from there the external network 150.

Paragraph [0038]:

[0038] If the browser isolator module [[120]] 130 only restricted communications with the browser module 140 to certain protocols, the browser isolator module [[120]] 130 would be nothing more than a simple firewall. However, the browser isolator module [[120]] 130 not only restricts communication to the XDMCP and X protocols, it can examine each protocol packet in detail, inspecting one or more predetermined fields in the packets to ensure that each field contains valid, e.g., authorized, information. Beyond verifying that each field contains valid information, fields with related information can be compared within and between packets in the protocol session to ensure that there is a consistent relationship during the life of the session. Individual field contents can also be verified in a variety of ways depending on the type of the field.

Paragraph [0043]:

[0043] The exemplary purpose of these detailed packet field checks by the browser isolator module [[120]] 130 is two-fold. By ensuring that the fields contain only valid, consistent information, the browser isolator module [[120]] 130 reduces the chances that a defect in the protocol implementation on either the browser module 140 or a protected computer 110 can be exploited by unauthorized software. The checks for data consistency also reduce the

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possibility that packet fields can be used to surreptitiously transfer data by varying their contents over time.

Paragraph 0046:

[0046] Alternatively, or in conjunction with the above, the systems and methods of this invention can provide Internet access from a protected network 200 by a tunnelled communications path. As illustrated in FIG. 2, the protected network 200 comprises one or more protected computers 210, two of which are shown for purposes of illustration. Each protected computer 210 comprises a special virtual machine (SVM) 220 having a browser 230. The browser 230 for each protected computer [[120]] 210 communicates with the external network 150, such as the Internet by means of a border module 240.